

tondon, and the other probably, Dr. Hays thought, a Tetracaledon; the latter denominated, by Mr. Koch, *Missourium Kochii*.

Stated Meeting, October 16.

Present, thirty-one members.

Mr. DU PONCEAU, President, in the Chair.

The following donations were received:—

FOR THE LIBRARY.

- Journal Asiatique, 3e Serie. No. 50 (February), 51 (March), 53 (April, May, and June), 1840; making the 9th Volume of the Series, except No. 49 (January), which is wanting.—*From the Asiatic Society of Paris.*
- Commentationes Societatis Regiæ Scientiarum Gottingensis recensione. Vol. VII. ad A. 1828—31. 4to. Gottingæ, 1832.—*From the Society.*
- Transactions of the Linnean Society of London. Vol. XVIII. Part Third. 4to. London, 1840.—*From the Society.*
- List of the Linnean Society of London. 4to. 1840.—*From the same.*
- Proceedings of the Linnean Society of London to March 17, 1840, inclusive.—*From the same.*
- Memorie della Reale Accademia delle Scienze di Torino. Serie Seconda. Tomo 1. 4to. Torino, 1839.—*From the Society.*
- Fisica de' Corpi Ponderabili ossia Trattato della Costituzione generale de' Corpi, del Cavaliere Amedeo Avogadro, dell' Ordine civile di Savoia, &c. &c. Tomo 2. 8vo. Torino, 1838.—*From the Author.*
- Public Documents of the 1st Session of the Twenty-sixth Congress.
 1. On the Tobacco Trade. 2. On the National Defence and National Foundries. 3. On the Manufacture, &c. of Salt. 4. On the Receipts and Expenditures of the United States for the Year 1838.—*From Mr. James H. Caustin, of Washington.*
- A Complete Treatise on Electricity, in Theory and Practice, with

- Original Experiments. By Tiberius Cavallo, F.R.S. Fourth edition. 3 Vols. 8vo. London, 1795.—*From Mr. John Vaughan.*
- C. Julii Cæsaris quæ extant, &c. &c. in usum Delphini. Edit. 11ma. 8vo. London, 1794.—*From the same.*
- Corpus Juris Civilis Romani, &c. &c. cum notis integris Dionysii Gothofredi, &c. &c. 2 Vols. 4to. Lipsiæ, 1720.—*From the same.*
- The Constitution and Laws of the Cherokee Nation: passed at Tahle-quah, Cherokee Nation, 1839. Washington, 1840.—*From Mr. John Ross.*
- Twenty-second Annual Report of the Controllers of the Public Schools of the City and County of Philadelphia, composing the First School District of Pennsylvania, &c. &c. 8vo. Philadelphia, 1840.—*From Mr. Justice.*
- A Fourth Supplementary Catalogue of the Plants of Kentucky. By C. W. Short, M.D., Professor of Materia Medica and Medical Botany in the Medical Institute of Louisville.—*From Mr. Wm. Short.*
- Chinese Maps. 1. Map of the Chinese Empire. 2. Map of Pekin. 3. Map of Canton.—*From Mr. J. S. Oakford.*

FOR THE CABINET.

Five Notes of Mr. Law's Bank. Paris, 1720.—*From Mr. Du Ponceau.*

The Committee, consisting of Mr. Lea, Dr. Wood, and Dr. Coates, on a communication, entitled "Descriptions of New Species and Genera of Plants, in the Natural Order Compositæ, collected on a Tour across the Continent to the Pacific, a Residence in Oregon, and a Visit to the Sandwich Islands and Upper California, during the Years 1834-5, by Thos. Nuttall," reported in favour of publication, which was ordered accordingly.

In this paper, Mr. Nuttall makes a large addition to the Flora of North America, consisting of fifty new genera, with numerous species of plants, in the order Compositæ.

The Committee, consisting of Mr. Nicklin, Prof. Bache, and Mr. Lukens, on a communication entitled "Descriptions of new Fresh Water and Land Shells, by Isaac Lea," reported in favour of publication, which was ordered accordingly.

Mr. Lea's communication furnishes new facts towards a geographical distribution of the Naiades. It contains descriptions of forty-six new species of that family, two Melaniæ, one Carocolla and one Cyclostoma.

Of the Naiades, eleven species are from the Chatahoochee river. The shells found in this river, seem to differ from those of the waters that fall into the Atlantic, as several of the species have folds; and also from those of the Ohio and its eastern tributaries, as none of them have tubercles;—facts which are curious, inasmuch as the head waters of the Chatahoochee are not far distant from those of some of the Atlantic rivers, on the one side; and, on the other, from some of the tributaries of the great river Tennessee, which falls into the Ohio.

Two interesting species are from New Holland, one of which has a double wing; and three are from Java.

The whole number of recent species of Naiades admitted by Mr. Lea, is 369; being 282 more than Lamarck described.

Unio cucumoides. Testâ plicatâ, latissimâ, emarginatâ, subcylindraceâ; valvulis subcrassis; natibus vix prominentibus; epidermide nigrâ; dentibus cardinalibus parvis, tuberculatis; lateralibus longissimis rectisque; margaritâ albâ. *Hab.* Hunter's River, New South Wales.—*Dr. Jay*.

Unio delphinus. Testâ alatâ, latâ, compressâ, posticè biangulatâ, valdè inæquilaterali; alâ elevatâ, acuminatâ, duplici; valvulis subcrassis; natibus vix prominentibus; epidermide tenebroso-fuscâ; dentibus cardinalibus parvis, crenulatis; lateralibus longissimis rectisque; margaritâ albâ et iridescente. *Hab.* New Holland—*G. Von den Busch, M.D.*

Unio orientalis. Testâ transversâ, subinflatâ, valdè inæquilaterali; valvulis subcrassis; natibus sub-prominentibus, ad apices undulatis; epidermide luteâ, nitidâ; dentibus cardinalibus longis; lateralibus longis subcurvisque; margaritâ albâ et iridescente. *Hab.* Java?—*G. Von den Busch, M.D.*

Unio Jaranus. Testâ ovatâ, subinflatâ, valdè inæquilaterali, posticè subbiangulatâ; valvulis subcrassis; natibus vix prominentibus; epidermide luteo-fuscâ; dentibus cardinalibus minimis; lateralibus longis curvisque; margaritâ albâ et iridescente. *Hab.* Java.—*G. Von den Busch, M.D.*

Unio Cincinnatiensis. Testâ nodosâ, quadratâ, inflatâ, emarginatâ, inæquilaterali; valvulis crassis; natibus elevatis; epidermide luteâ, valdè radiatâ; dentibus cardinalibus subgrandibus; lateralibus sublongis rectisque; margaritâ albâ. *Hab.* Ohio River, Cincinnati.—*T. G. Lea*.

Unio pilaris. Testâ rotundatâ, inflatâ; valvulis crassis; natibus elevatis; epidermide striatâ, tenebroso-fuscâ; dentibus cardinalibus subgrandibus; lateralibus longulis subrectisque; margaritâ albâ. *Hab.* French Broad and Holston Rivers, East Tenn.—*Mr. S. M. Edgar*.

Unio Geddingsianus. Testâ ovatâ, subinflatâ; valvulis subtenuibus; natibus prominulis; epidermide fuscâ, radiatâ; dentibus cardinalibus compressis

erectisque; lateralibus longis rectisque; margaritâ albâ vel salmonis colore tinctâ. *Hab.* Congaree River, So. Car.—*Prof. Ravenel.*

Unio tuberosus. Testâ nodosâ, triangulari, emarginatâ; valvulis crassis; natibus elevatis; epidermide luteâ, striatâ; dentibus cardinalibus magnis; lateralibus parvis rectisque; margaritâ albâ. *Hab.* Cany Fork and Cumberland Rivers, Middle Tenn.—*Mr. S. M. Edgar.*

Unio cuncolus.—Testâ triangulari, compressâ, valdè inæquilaterali; valvulis subcrassis; natibus elevatis; epidermide luteâ, striatâ, radiis maculatis; dentibus cardinalibus parvis; lateralibus longis rectisque; margaritâ albâ et iridescente. *Hab.* Holston River, Tenn.—*Mr. S. M. Edgar.*

Unio Lesueurianus. Testâ subrotundâ, subinflatâ; valvulis crassis; natibus prominentibus; epidermide fuscâ, striatâ, radios maculatos habente; dentibus cardinalibus subgrandibus; lateralibus parvis rectisque; margaritâ albâ et iridescente. *Hab.* Cany Fork and Holston Rivers, Tenn.—*Mr. S. M. Edgar.*

Unio Stonensis. Testâ ovatâ, valdè compressâ, planulatâ, valdè inæquilaterali; valvulis crassis; natibus prominulis, ad apices undulatis; epidermide luteo-fuscâ; dentibus cardinalibus parvis; lateralibus longis, crassis curvisque; margaritâ salmonis colore tinctâ et iridescente. *Hab.* Stone's River, Tenn.—*Mr. S. M. Edgar.*

Unio lenis. Testa obovatâ, inflatâ; valvulis tenuibus; natibus vix prominentibus, ad apices undulatis; epidermide luteâ, densissimè radiatâ; dentibus cardinalibus compressis; lateralibus parvis; margaritâ albâ et iridescente. *Hab.* Stone's River, Tenn.—*Mr. S. M. Edgar.*

Unio plenus. Testâ triangulari, inflatâ; valvulis crassissimis; natibus elevatis et crassis; epidermide luteo fuscâ, rugosâ; dentibus cardinalibus magnis; lateralibus brevibus subrectisque; margaritâ albâ et iridescente. *Hab.* Ohio River, near Cincinnati.—*T. G. Lea.*

Unio tener. Testâ ovatâ, valdè compressâ, valdè inæquilaterali; valvulis tenuibus; natibus sub-prominentibus; epidermide luteo-fuscâ; dentibus cardinalibus parvis; lateralibus longis subcurvisque; margaritâ albâ et iridescente. *Hab.* Big Pigeon River, Tenn.—*Mr. S. M. Edgar.*

Unio pusillus. Testa ovatâ, subcompressâ, posticè angulatâ; valvulis subtenuibus; natibus subprominentibus; epidermide tenebroso-fuscâ, nitidâ; dentibus cardinalibus minimis; lateralibus longis subcurvisque; margaritâ albâ et iridescente. *Hab.* Ogechee River, Geo.—*Major Le Conte.*

Unio amœnus. Testâ ovatâ, subcompressâ, valdè inæquilaterali; valvulis subcrassis; natibus sub-prominentibus; epidermide tenebrôsâ, densè radiatâ; dentibus cardinalibus parvis erectisque; lateralibus longis subcurvisque; margaritâ albâ et iridescente. *Hab.* Holston River, Tenn.—*Mr. S. M. Edgar.*

Unio incrassatus. Testâ plicatâ, triangulari, subinflatâ; valvulis crassis; natibus subprominentibus; epidermide subnigrâ; dentibus cardinalibus parvis; lateralibus longis subrectisque; margaritâ salmonis colore tinctâ, vel purpureâ vel albâ et iridescente. *Hab.* Chatahoochee River, near Columbus, Geo.—*Dr. Boykin.*

Unio Boydianus. Testâ obovatâ, subinflatâ, valdè inæquilaterali; valvulis subtenuibus; natibus subprominentibus, ad apices undulatis; epidermide luteo fuscâ; dentibus cardinalibus compressis; lateralibus longis subrectisque;

margaritâ albâ et iridescente. *Hab.* Oak Orchard Creek, Orleans County, N. Y.—*Dr. Boyd.*

Unio Sloatianus. Testâ plicatâ, oblongâ, subcompressâ, valdè inæquilaterali; valvulis crassis; natibus subprominentibus; epidermide subnigrâ; dentibus cardinalibus subgrandibus; lateralibus crassis et longis; margaritâ albâ et purpureâ. *Hab.* Chatahoochee River, Geo.—*Mr. L. W. Sloat.*

Unio paulus. Testâ ovatâ, inflatâ, minimâ; valvulis crassis; natibus subprominentibus; epidermide subnigrâ; dentibus cardinalibus parvis, lateralibus longis curvisque; margaritâ albâ et iridescente. *Hab.* Chatahoochee River, Columbus, Geo.—*Dr. Boykin.*

Unio strigosus. Testâ transversâ, compressâ, valdè inæquilaterali; posticè triangulatâ; valvulis subtenuibus; natibus subprominentibus, compressis; epidermide tenebroso-fuscâ; dentibus cardinalibus parvulis, lateralibus longis subrectisque; margaritâ purpureâ et iridescente. *Hab.* Chatahoochee River, Columbus, Geo.—*Dr. Boykin.*

Unio lineatus. Testâ ovatâ inflatâ; valvulis tenuibus; natibus subprominentibus, ad apices undulatis; epidermide luteâ, radiatâ nitidâ; dentibus cardinalibus parvis, lamellatis; lateralibus parvis subcurvisque; margaritâ salmonis colore tinctâ et iridescente. *Hab.* Chatahoochee River, Columbus, Geo.—*Dr. Boykin.*

Unio exiguus. Testâ ovatâ subcompressâ; valvulis tenuibus; natibus subprominentibus; epidermide tenebrôsâ, viride-radiatâ, nitidâ; dentibus cardinalibus lamellatis, lateralibus longis subcurvisque; margaritâ cæruleâ et iridescente. *Hab.* Chatahoochee River, Columbus, Geo.—*Dr. Boykin.*

Unio tortivus. Testâ ovatâ, compressâ, emarginatâ; valvulis subtenuibus; natibus subprominentibus, compressis; epidermide tenebroso-fuscâ, striatâ; dentibus cardinalibus parvulis, lateralibus longis curvisque; margaritâ purpureâ et iridescente. *Hab.* Chatahoochee River, Columbus, Geo.—*Dr. Boykin.*

Unio sub-angulatus. Testâ ovatâ, subinflatâ, posticè subangulata; valvulis tenuibus; natibus subprominentibus; epidermide luteâ, radiatâ, politâ; dentibus cardinalibus subgrandibus crectisque, lateralibus sub-longis subrectisque; margaritâ salmonis colore tinctâ et iridescente. *Hab.* Chatahoochee River, Columbus, Geo.—*Dr. Boykin.*

Unio striatus. Testâ ovatâ, compressâ; valvulis tenuibus; natibus subprominentibus; epidermide striatâ, rubiginis colore; dentibus cardinalibus parvis; lateralibus sublongis subrectisque; margaritâ salmonis colore tinctâ et iridescente. *Hab.* Chatahoochee River, Columbus, Geo.—*Dr. Boykin.*

Unio fatuus. Testâ transversâ, compressâ, emarginatâ; valvulis subcrassis; natibus parvis; epidermide sub-viride, radiatâ; dentibus cardinalibus parvis, lateralibus longis subcurvisque; margaritâ albâ et iridescente. *Hab.* Holston River, Tenn.—*Dr. Currey.*

Unio dactylus. Testâ transversâ, subinflatâ; valvulis tenuibus; natibus prominulis; epidermide luteâ; dentibus cardinalibus minimis crectisque; lateralibus longis subcurvisque; margaritâ albâ et iridescente. *Hab.* Cany Fork River, Tenn.—*Mr. S. M. Edgar.*

Unio obtusus. Testâ obovatâ, inflatâ, posticè rotundatâ; valvulis subcrassis; natibus subprominentibus; epidermide luteâ, nitidâ; dentibus cardinalibus

subgrandibus; lateralibus longis subrectisque; margaritâ albâ et iridescente. *Hab.* Chatahoochee River, Columbus, Geo.—*Dr. Boykin.*

Unio Boykinianus. Testâ alatâ, plicatâ, triangulari, subcompressâ; valvulis crassis; natibus prominulis; epidermide tenebroso-fuscâ; dentibus cardinalibus parvis, lateralibus sublongis; margaritâ albâ et iridescente. *Hab.* Chatahoochee River, Columbus, Geo.—*Dr. Boykin.*

Unio Edgarianus. Testâ triangulari, compressâ, emarginatâ; valvulis crassis, natibus elevatis; epidermide luteâ, valdè radiatâ; dentibus cardinalibus magnis, lateralibus rectis; margaritâ albâ et iridescente.—*Hab.* Holston River, Tenn.—*Prof. Troost* and *Dr. Currey.* Tennessee River, at Florence, Ala.—*Mr. T. R. Dutton.*

Unio biangularis. Testâ obovatâ, inflatâ, posticè biangulari; valvulis tenuibus; natibus subprominentibus; epidermide tenebroso-fuscâ, radiatâ; dentibus cardinalibus subgrandibus elevatis, lateralibus subgrandibus, curvisque; margaritâ albâ et iridescente. *Hab.* Cany Fork River, Tenn.—*Prof. Troost* and *Mr. S. M. Edgar.*

Unio nitens. Testâ ellipticâ, transversâ, subinflatâ; valvulis subtenuibus; natibus subprominentibus; epidermide tenebroso-fuscâ; dentibus cardinalibus parvis elevatis; lateralibus longis subrectisque; margaritâ cupreâ, splendidissimâ, et iridescente. *Hab.* Long Creek, Cocke Co. Tenn.—*Mr. S. M. Edgar.*

Unio Holstonensis. Testâ triangulari, solidâ, inflatâ; valvulis crassis; natibus magnis, elevatis; epidermide tenebroso-fuscâ, radiatâ; dentibus cardinalibus subgrandibus, lateralibus crassis brevibusque; margaritâ albâ et iridescente. *Hab.* Holston River, Tenn.—*Mr. S. M. Edgar.*

Unio dolabelloides. Testâ subrotundâ, subinflatâ; valvulis crassissimis; natibus valdè elevatis; epidermide fuscâ, radiatâ; dentibus cardinalibus minimis, lateralibus brevibus rectisque; margaritâ albâ et iridescente. *Hab.* Holston River, Tenn.—*Mr. S. M. Edgar.*

Unio Tennesseensis. Testâ ellipticâ, transversâ, inflatâ; valvulis crassis; natibus subprominentibus; epidermide luteâ; dentibus cardinalibus magnis erectisque, lateralibus magnis subcurvisque; margaritâ albâ et iridescente. *Hab.* Stone's River, Tenn.—*Mr. S. M. Edgar.*

Unio atro-marginatus. Testâ plicatâ, oblongâ, compressâ; valvulis subtenuibus; natibus prominulis; epidermide tenebrôsâ; dentibus cardinalibus parvis, lateralibus longis subrectisque; margaritâ purpureâ et valdè iridescente. *Hab.* Chatahoochee River, Columbus Georgia.—*Dr. Boykin.*

Unio Bournianus. Testâ triangulari, compressâ; valvulis crassis; natibus elevatis incurvis, ad apices undulatis; epidermide luteâ, densè radiatâ; dentibus cardinalibus subgrandibus, lateralibus subcurvis; margaritâ albâ et iridescente. *Hab.* Sciota River, near Chillicothe, Ohio.—*Mr. A. Bourne.*

Margaritana Vondenbuschiana. Testâ obovatâ, compressâ, inæquilateralis; valvulis tenuibus; natibus subprominentibus; epidermide luteo-fuscâ; dentibus cardinalibus parvis, tuberculatis; margaritâ albâ et iridescente. *Hab.* Java.—*G. Von den Busch, M.D.*

Margaritana Curreyiana. Testâ triangulari, subcompressâ, emarginatâ, sulcatâ; valvulis crassis; natibus subprominentibus, ad apices undulatis; epider-

mide luteo-fusca; dentibus cardinalibus magnis; margaritâ albâ et iridescente. *Hab.* Stone's River, Tenn.—*Dr. Currey, of Nashville.*

Anodonta Harpethensis. Testâ ovatâ, inflatâ, carinatâ; valvulis tenuibus; natibus subprominentibus; apicibus undulatis; epidermide luteâ et viride; margaritâ salmonis colore tinctâ; margine lato. *Hab.* Harpeth River, Tenn. *Mr. S. M. Edgar.*

Anodonta argentea. Testâ ovatâ, inflatâ, transversâ; valvulis tenuibus; natibus prominulis; apicibus minutè undulatis; epidermide fusca, radiatâ; margaritâ argenteâ et iridescente. *Hab.* Stone's River, Tenn.—*Dr. Currey.*

Anodonta ferruginea. Testâ ovatâ, inflatâ; valvulis tenuibus; natibus prominentibus, ad apices minutè undulatis, ferrugineis; epidermide tenebroso-fusca, politâ; margaritâ cœruleo-albâ et iridescente. *Hab.* Simon's Creek, Indiana.—*T. G. Lea.*

Anodonta Cowperiana. Testâ ovatâ, valdè inflatâ, gibbosâ; valvulis tenuibus; natibus planulatis, undulatis; epidermide viride-luteâ, obsolete radiatâ; margaritâ cœruleo-albâ et iridescente. *Hab.* Hopeton, near Darien, Geo.—*J. H. Cowper, Esq.*

Anodonta Maryattiana. Testâ transversâ, valdè inflatâ, gibbosâ, valdè inæquilaterali; natibus prominentibus, ad apices undulatis; epidermide virido-luteâ; margaritâ argenteâ et iridescente. *Hab.* Vicinity of Fort Winnebago.—*Capt. Maryatt, R. N.*

Anodonta Footiana. Testâ ovatâ, inflatâ, inæquilaterali; valvulis subtenuis; natibus subprominentibus, ad apices undulatis; epidermide luteo-fusca; margaritâ cœruleo-albâ et iridescente. *Hab.* Vicinity of Fort Winnebago.—*Dr. Foot.*

Melania catenaria. Testâ elevato-conoidea, granulata, lineatâ; apice plicatâ; suturis parvis aperturâ ovatâ. *Hab.* Chatahoochee River, Columbus, Geo. *Dr. Boykin.*

Melania Boykiniana. Testâ elevatâ; subturritâ, granulata, ad carinam tuberculatâ; suturis impressis; aperturâ elongato-ovatâ. *Hab.* Chatahoochee River, Columbus, Geo.—*Dr. Boykin.*

Carocolla Cumberlandiana. Testâ lenticulatâ, carinatâ, striatâ, albida, fusco-notatâ, latè umbilicatâ, ad carinam supernè et infernè impressâ; anfractibus quinis; aperturâ angulatâ, intus sulcatâ; labro acuto. *Hab.* Cumberland Mts., near Jasper, Tenn.—*Dr. Currey.*

Cyclostoma Cincinnaticnsis. Testâ elevato-conicâ, lævi, nitidâ, diaphanâ, umbilicatâ; anfractibus senis; apice obtuso; labro margine reflexo. *Hab.* Vicinity of Cincinnati.—*T. G. Lea.*

Mr. Du Ponceau presented a MS. communication from Mr. Nicollet, entitled "Notions sur la Langue des Sioux," which was referred to the Historical and Literary Committee.

Mr. Lea read a communication from Mr. Nulty, in relation to some points connected with his "Magic Cyclovolute," which was referred to a Committee.

Dr. Patterson, from the Committee on Astronomical Observations, to whom was referred the consideration of the best application of the sum of money in possession of the Society, and collected for the erection of an Astronomical Observatory, reported progress, and exhibited certain designs for an observatory.

Mr. T. Biddle, from the Committee to whom the money had been entrusted, reported the amount in their hands.

The following gentlemen were elected members of the Society:—

CHARLES BONNYCASTLE, Professor of Mathematics, &c. in the University of Virginia.

M. FRANÇOIS PIERRE GUILLAUME GUIZOT, of Nismes, in France.